National Park Service

Spatial Odyssey 2003

Dec 1-5, 2003
Schedule

Fieldtrip/Training (additional Fee)	Panel Discussion	Workshop	Names in ORANGE are chairs for session

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Sunday, November 30, 2003

	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12PM	12:30	1:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	Evening
Royal Palm																				5:30-8:00 Conference Registration

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Monday, December 1, 2003

	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Royal Palm	Conference Registration																		
Boca VII	Remote Sensing I: Basic Concepts								Lunch	Remote Sensing I: Basic Concepts (cont.)									
Boca VI	What's New in ArcGIS 9x								Lunch	How to Use the Sensitivity Area Model (SAM)									
Boca VIII	Migrating Coverages to Geodatabases								Lunch	Migrating Coverages to Geodatabases (cont.)									
Boca V	ArcPAD Application Builder								Lunch	Intro to ArcPAD									
Boca IV	Fire Meeting																		
Field Trip 1 Meet in Convention Center Lobby at 7:45am	Kennedy Space Center Visitor Complex (9:00am - 5:00pm)																		
Field Trip 2 A & B Meet in Convention Center Lobby at 7:45am	a. The Disney Wilderness Preserve (9:00am - 12:30pm)								b.The Reedy Creek Improvement District (RCID) (1:30 - 4:00pm)										

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Tuesday, December 2, 2003

Room	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Royal Palm	Conference Registration																		
Caribbean IV	Welcome / Plenary I Leslie Armstrong - GIS Division Chief, Dom Nessi - Chief Information Officer, Hank Garie - Director GeoSpatial One-Stop					**Session 1: Data Management I (Joel Cusick)** Geology ... It's Not Just for Scenery Anymore! The NPS Geologic Resources Inventory - Tim Connors, Bruce Heise, Anne Poole	Interagency Fire GIS: The Geospatial Task Group and Data Standards - Brian Sorbel	The Critical Nature of Spatial Data in Cultural Resource Management - Deidre McCarthy	Lunch IM Region Meeting	**Session 5: Web Technologies (Bill Eichenlaub)** Using an Interagency Website to Meet Park Web Based Mapping Needs - Anne Birkholz	Using ArcIMS for Field Verification of Landsat 7 Vegetation Classes - Craig Thompson	Internet Mapping Tool for Displaying Hemlock Forest Health Modeling Data - Craig Thompson	Internet Mapping Tool for Analyzing Potential Urban Growth Patterns Adjoining National Park Units - Craig Thompson	Break	**Session 9: Data Management II (Anne Birkholz)** Database Applications that Communicate - Bill Eichenlaub	GIS Project Requests: An Access Tool to Prioritize, Manage, Archive, and Analyze GIS Production - Elena Robisch, Chris Dietrich			

Room	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Boca VII & VIII						**Session 2: Watershed Based Mapping (Patrick Flaherty)**				**Session 6: Metadata (Theresa Ely)**					**Session 10: Models & GIS I (Stephen K. Wilson)**				
						Evaluation of MediaMapper Software for Park Management - Stephen K. Wilson	Yellowstone Examples of Watershed Based Mapping - Ann Rodman	GIS Reasoning for Radical Policy Change in the Florida Everglades - Frank Partridge	Lunch MW Region Meeting	Getting Started with and Streamlining the Metadata Process - Theresa Ely, Peter Budde	Lessons Learned in Metadata - Theresa Ely, Craig Dalby, Peter Budde	NPS Metadata System - Lisa Nelson, Joe Gregson		Break	Extreme Fire Model in California Chaparral - Patrick Flaherty	Modeling Mountain Pine Beetle Infestations Using Insolation as a Determinate of Habitat in the Canadian Rocky Mountains - Darrel Zell			
Boca IV						**Session 3: GIS in Facilities Management (Mark Adams)**				**Session 7: Monitoring Coastal Geomorphology: A Multi-Agency Approach to Shoreline Change (Mark Duffy)**					**Session 11: Remote Sensing I (Tom Fake)**				
						The use of GIS for Facility Management and the Implementation of the FMSS in the Pacific Islands - Tom Fake	Gathering, Processing, and Mapping Trail Maintenance Data; Greatly Increased Efficiency in the Golden Gate National Parks - Andrew Bley	GIS & Conditions Assessments: Fort Jefferson - Steve Foran	Lunch NE Region Meeting	Building a Shoreline Monitoring Program - Mark Duffy	Aerial Data Collection and Product Creation for Coastal Monitoring - John Brock	Processing and Extracting Features from LIDAR Data - Melanie Harris	Data Management for Ocean Beach Features - Melanie Ransmeier, Arty Rodriguez	Break	Using MODIS Time-Series Data in the Geospatial Modeling of Invasive Species in Rocky Mountain National Park - Jeffrey T. Morisette, J.A. Pedelty, J.L. Schnase, J.A. Smith, T.J. Stohlgren, M.A. Kahlkan	Using IKONOS Imagery for a Land Use - Land Cover Change Assessment of the Gettysburg National Military Park and Vicinity - Curt Musselman			
Boca V & VI						**Session 4: GPS (Tim Smith)**				**Session 8: GPS (Tim Smith)**					**Session 12: GPS (Tim Smith)**				
						Introduction to GPS			Lunch PWRO Meeting	Intro to ArcPAD				Break	Intro to ArcPAD				
Caribbean V - VII										Poster Display / Vendor Display									6:00pm - 8:30pm Welcoming Reception Hosted by GTSI Vendor Exhibits and Posters
Hibiscus									SERO Meeting						GIS Committee Side Meeting (4-6PM)				

Spatial Odyssey 2003

Dec 1-5, 2003
Schedule

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Wednesday, December 3, 2003

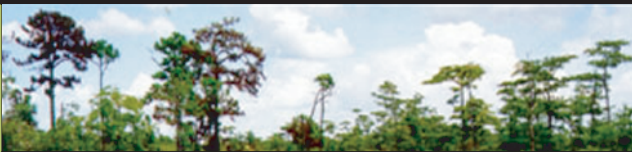| Room	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Royal Palm	Conference Registration																		
Caribbean IV	**Session 13: Relational Database Strategies Workshop (Angie Southwould)** — The elements of a relational database will be introduced followed by a discussion of normalization.				Break	**Session 17: GIS in the Fire Program I (Lisa Nelson)** — Collaborative Interagency Fire Planning and Management in the Southern Sierra Using GIS - Findings and Recommendations - Pat Lineback	Wildland Hazard Assessment Methodology (WHAM): Assessing Wildfire Threat in the Wildland-Urban Interface - Dan Hurlbert, Kathie Hansen	Fire Season 2002: Lessons learned from the GIS Front - Karen Folger	Lunch	**Session 21: Fire GIS in the Regions: Initiatives and Collaborations in 2003 (Ed Delaney)** — Doug Stephen, Brian Sorbel, Dean Gettinger, Dan Hurlbert, Sean Dennison, Karen Folger, Kathie Hansen, Gladys Crabtree, Robin Wills				Break	**Session 25: GIS in the Fire Program II (Pat Lineback)** — Feat Accompli: Fire Ecology Effects Tools Application Development - Ed Delaney	Evaluating the Usefulness of Zion National Park's 1999-2003 Vegetation Map for Predicting Fire Growth and Spread Using FARSITE and FlamMap Models - Dan Cogan	The NPS-USGS Burn Severity Mapping Project - Brian Sorbel, Nate Benson		
Boca VII & VIII	**Session 14: GIS in Cultural Resources (Tim Connors)** — The Klondike Data Stampede: Merging Geospatial Technologies with the Historic Landscape Preservation of a Gold Rush Town - Joel Cusick, Jeff Bennett, Tonia Horton, Theresa Thibault	GIS and Urban Forest Management in the Nation's Capital - Brad Conway	Mapping the Archeology of the Midwest Region of the National Park Service - Anne M. Wolley Vawser	The World Guide to Covered Bridges Project: Taking Documentation from the Printed Page to the Web-page - Matt Stutts	Break	**Session 18: Ecosystem Mapping (Anne M. Wolley Vawser)** — The Multi-Resolution Land Cover Program: NPS Partnership - Nick Van Driel, Collin Homer	Prairie Falcon Nesting Home Range and Habitat Foraging Selection - Patrick Flaherty	SAGEMAP: A GIS Database for Sage Grouse and Shrubsteppe Management in the Intermountain West - Sean P. Finn, Linda S. Schueck, Cara W. Meinke, Steven T. Knick, Thomas J. Zarriello, ElRoy Taylor	Lunch	**Session 22: Bringing Cultural Resources Together (John Knoerl)** — Cheryl Sams, Peter Budde, Steve Baumann, Melia Lane-Kamahele				Break	**Session 26: Cultural Resource Mapping Projects: Northeast Region Initiatives (Cheryl Sams O'Neill)** — Bringing it Together - Cultural Resource Databases Linked Through GIS - Hugh Devine, Cheryl Sams O'Neill	Mapping Cultural Resources: A Trails Assessment for Valley Forge National Historic Park - Mark Davison	Building a GIS with Field Historians and Archaeologists at Cape Cod National Seashore - Roland Duhaime, Freddie Dimmick, Mark Adams, Bill Burke	A Half-Million Trees: Using a GPS Swat Team to Map Forestry and Agricultural Features on the Franklin D. Roosevelt Estate - Dave Hayes	**7:30 - NRDT Data Managers Side Meeting Host: Chris Detrich**

Wednesday, December 3, 2003 (Continued)

Room	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Boca II & III	**Session 15: Partners & Partnerships (Gareth Rowell)**				Break	**Session 19: Vegetation Mapping (Doug Wilder)**			Lunch	**Session 23: NPS Geospatial Data Resources (Joe Gregson)**				Break	**Session 27: Remote Sensing II (Mike Story)**				
	Update Regarding the Department of the Interior Enterprise License Agreement with ESRI - David Duran, Tennille Williams	Transboundary Cumulative Effects Analysis for the Crown of the Continent Ecosystem - Richard Menicke	GIS and the City: Implementation of GIS at Gateway NRA - Kathryn Mellander	I&M Vegetation Mapping; Partnerships, Proposals and Standards Mike Story NPS and Karl Brown USGS	Break	Spatial Analysis of Grassland Bird Abundance and Associated Habitat Variables - Gareth Rowell, David G. Peitz	Alaska Landcover Mapping: Disaggregated Classification and Spectral Database - Jess Grunblatt	I&M Vegetation Mapping; Overview and Applications - Susan Stitt USGS and Chris Lea NPS	Lunch	The National Map and Rocky Mountain National Park Pilot - Helmut Lestinsky	The National Map for National Parks - Joe Gregson, Danelle Malget, Jacob Morgan	The NR/GIS Data Store - Jacob Morgan, Julie Fleming, Joe Gregson	NR/GIS Support Services - Danelle Malget, Joe Gregson	Break	A Comparison of Orthophoto Mosaics Created Using 3, 5, 10, and 30-meter Resolution DEMs of Tallgrass Prairie National Preserve and Wind Cave National Park - Frank Scarpace, Amar Padmanabhan, Peter Budde	Digital Aerial Imagery Solutions for State and Federal Land Management Agencies - Jaymes Pardue	Panel Discussion		
Boca V & VI	**Session 16: GPS (Tim Smith)**				Break	**Session 20: GPS (Tim Smith)**			Lunch	**Session 24: GPS (Tim Smith)**				Break	**Session 28: GPS (Tim Smith)**				
	Park GPS Project Presentations 8:00 - 8:15 Ifer McCollom 8:15 - 8:30 Shannon Savage 8:30 - 8:45 David Anderson 8:45 - 9:00 Marie Frias 9:00 - 9:15 Andy Steel 9:15 - 9:30 Tom Patterson			GPS Vendor Presentations	Break	GPS Vendor Presentations (Cont.)	Garmin and ArcView		Lunch	Trimble GEO CE XT (TerraSync) to Pathfinder Office				Break	Trimble GEO CE XT (TerraSync) to Pathfinder Office				
Caribbean V - VII	**Poster Display / Vendors Displays**																		

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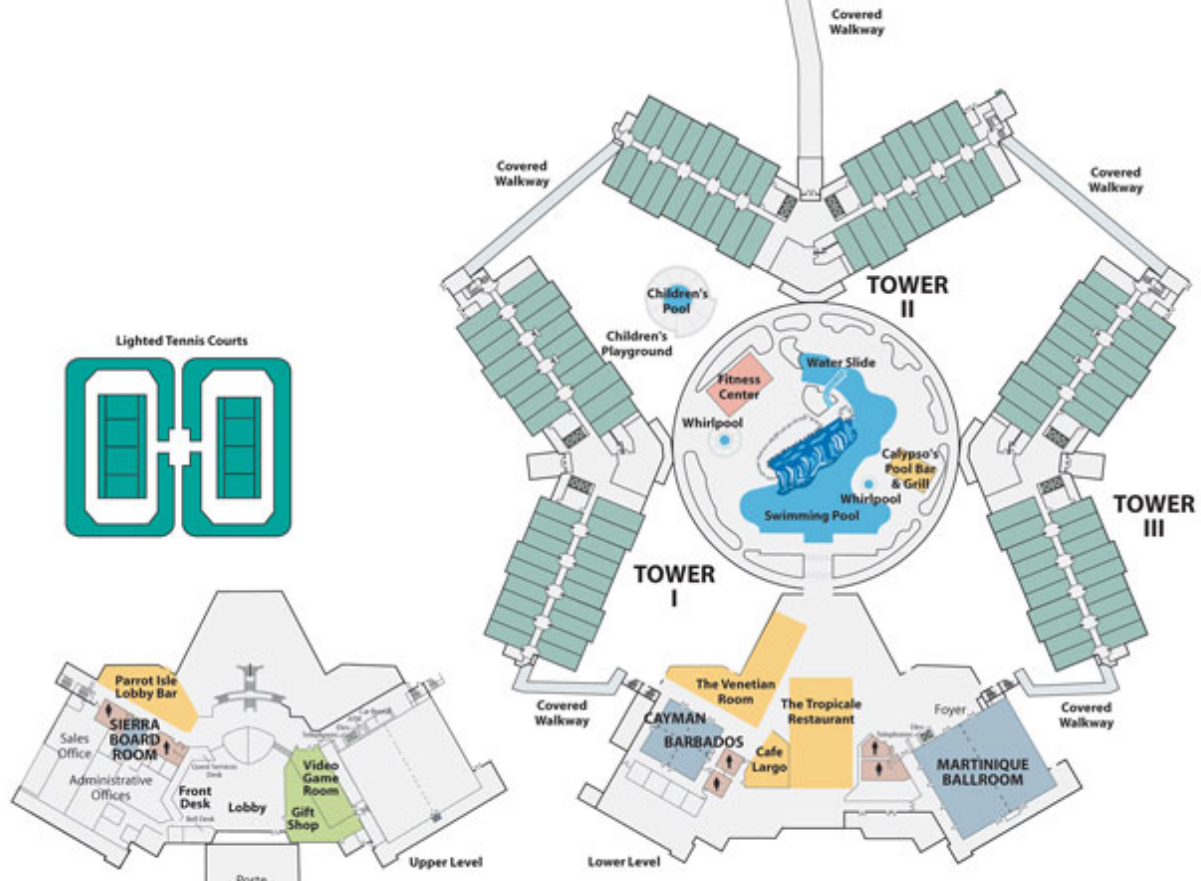## Thursday, December 4, 2003

Room	8:00AM–11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Caribbean IV	Partners Buffet Breakfast Presentations by Allen Carroll - National Geographic, Ed Scheffner - NASA Office of Earth Science, Don Hunger - Student Conservation Association, Larry Sugarbaker - NatureServe, Karen Siderelis - USGS GIO and Leslie Armstrong - NPS	Lunch										7:00-9:00 Planet Hollywood & Pleasure Island, Awards Dinner and evening entertainment
Boca II & III		Lunch	**Session 29: Hardware & Software Issues I (Kathryn Mellander)** ArcGIS to Access Tool - Angie Southwould	AlaskaPak Toolkit for Arc8.x - Greg Daniels	NPS Theme Manager for Arc8.x - Greg Daniels	A Map is a Moment in Time - Producing High-quality Maps for Your Audience - Justin Berthiaume	Break	**Session 33: Hardware & Software Issues II (Mark Sappington)** ArcGIS 9 Specifications - Tim Clark ESRI				
Boca VII & VIII		Lunch	**Session 30: Adding Dynamic Graphs to Your Database Workshop (Bill Eichenlaub)**				Break	**Session 34: Models & GIS II** Vulnerability of National Park Units to Sea-Level Rise and Coast Change - Elizabeth Pendleton	CommunityViz in General Management Plans - Chuck Donley			

Thursday, December 4, 2003 (Continued)

Room	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Boca IV					Break				Lunch	Session 31: Using the National Hydrography Dataset Workshop (Jeff Simley) — Presentation - Jeff Simley	Computer Demonstration	Presentation - John Christiansen		Break	Session 35: The Australian Fold Workshop (Dean Gettinger) — Recapturing the lost art of map folding				
Boca V & VI					Break				Lunch	Session 32: GPS (Tim Smith) — Taking Digital Photos with GPS				Break	Session 36: GPS (Tim Smith) — Taking Digital Photos with GPS (Cont.)				
Caribbean V - VII									Poster Display / Vendors displays										

Friday, December 5, 2003

Room	8:00AM	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	Evening
Boca VII	Remote Sensing II: Land Cover Classification and Change Detection								Lunch	Remote Sensing (cont.)									
Boca VI	Metadata Training Workshop								Lunch	Metadata Training Workshop (cont.)									
Boca VIII	Migrating to ArcView 8								Lunch	Migrating to ArcView 8 (cont.)									
Boca V	GPS Project Planning		Building a Trimble Data Dictionary				Trimble Pathfinder Office to GIS (tips and tricks)		Lunch	Garmin and ArcView			What GPS Receiver do I Use? Panel Discussion						

VILLA TOWER VII

VILLA TOWER VI

VILLA TOWER V

VILLA TOWER IV

Swimming Pool

Whirlpool

CURACAO
8 7 6 5
4 3 2 1

BONAIRE
8 7 6 5
4 3 2 1

ANTIGUA
4 3 2 1

F G H I

E
GRAND SIERRA BALLROOM
D
C B A

HIBISCUS

II

CARIBBEAN BALLROOM
III IV V VI VII
I

IV VIII
III VII
II **BOCA** VI
I V

GOVERNORS BOARDROOM

REGENTS BOARDROOM

Porte Cochere

THE GRAND CARIBE CONVENTION CENTER

Covered Walkway

Covered Walkway

Covered Walkway

TOWER II

Children's Pool

Children's Playground

Fitness Center

Water Slide

Whirlpool

Calypso's Pool Bar & Grill

Whirlpool

Swimming Pool

TOWER I

TOWER III

Lighted Tennis Courts

Covered Walkway

Covered Walkway

The Venetian Room

The Tropicale Restaurant

Foyer

Parrot Isle Lobby Bar

SIERRA BOARD ROOM

Sales Office

Administrative Offices

Front Desk

Lobby

Video Game Room

Gift Shop

CAYMAN

BARBADOS

Cafe Largo

MARTINIQUE BALLROOM

Porte Cochere

Upper Level

Lower Level

MAIN RECEPTION BUILDING